



Radio Frequency Systems' CELLFLEX® Factory-Fit Jumpers feature specially designed connectors which are soldered-on in a strictly controlled industrial process to ensure industry leading performance for today's high-performance wireless systems. The connector design and manufacturing process has been optimized to produce premium VSWR and IM levels. Injection molded boots provide reliable and repeatable additional sealing level and strain relief. Our facilities produce and stock all popular lengths as required by the industry, and can deliver custom lengths with premium VSWR and IM levels on request.

**FEATURES / BENEFITS****• Stable premium VSWR, outstanding and consistent intermodulation performance - 4.3-10 side not relying on coupling torque**

Improves network performance, reduces the number of dropped calls and avoids revenue loss.

**• Waterproof to IP 68**

No downtime risk, secures revenue.

**• Smaller connector footprint for 4.3-10**

Enables tighter spacing of connections for antennas and RRHs.

**• Available with standard "J" or flame retardant "JFN" jacket types**

Usable in all applications.

**• Compliant to RoHS (EU) and CRoHS (China)**

Usable on a global basis.



7M7MRL38-0100FFP for EXAMPLE

**Technical features****STRUCTURE**

Cable Type		3/8" Low Loss Foam
Jumper Type		Factory-Fit (Premium)
Dielectric		Foam Polyethylene
Gasket		Silicone rubber
Jacket		Black Polyethylene, Halogen-free acc. IEC 60754-1 and -2

**MECHANICAL SPECIFICATIONS**

Minimum Bend Radius	mm (in)	25 (0.98)
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**TESTING AND ENVIRONMENTAL**

Sealing class		IP68
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**TEMPERATURE SPECIFICATIONS**

Installation Temperature	°C (°F)	-40 to 60 (-40 to 140 )
Operation Temperature	°C (°F)	-50 to 85 (-58 to 185 )
Storage Temperature	°C (°F)	-70 to 85 (-94 to 185 )

**ELECTRICAL SPECIFICATIONS**

Intermodulation, 3rd Order	dBc	≤ -159 static & dynamic (-161 typical)
Peak Power Rating	kW	8.1
RF Peak Voltage	V	900

**JUMPER VSWR 0 - 10 M**

Frequency [MHz]	Straight / Straight [dB] (VSWR)	Right Angle / Right Angle [dB] (VSWR)
0 - 1000	>28.0 (≤1.08)	>28.0 (≤1.08)
>1000-1700	>28.0 (≤1.08)	>26.4 (≤1.10)

**JUMPER-L38-FFP**

CELLFLEX® Factory-Fit Jumper Assembly, 3/8" Low Loss Foam

>1700-2200	>28.0 ( $\leq 1.08$ )	>26.4 ( $\leq 1.10$ )
>2200-2700	>26.4 ( $\leq 1.10$ )	>24.9 ( $\leq 1.12$ )
>2700-3800	>23.1 ( $\leq 1.15$ )	>20.8 ( $\leq 1.20$ )
>3800-5000	>20.8 ( $\leq 1.20$ )	>19.1 ( $\leq 1.25$ )
>5000-6000	>17.7 ( $\leq 1.30$ )	>17.7 ( $\leq 1.30$ )

**JUMPER VSWR 10 - 20 M**

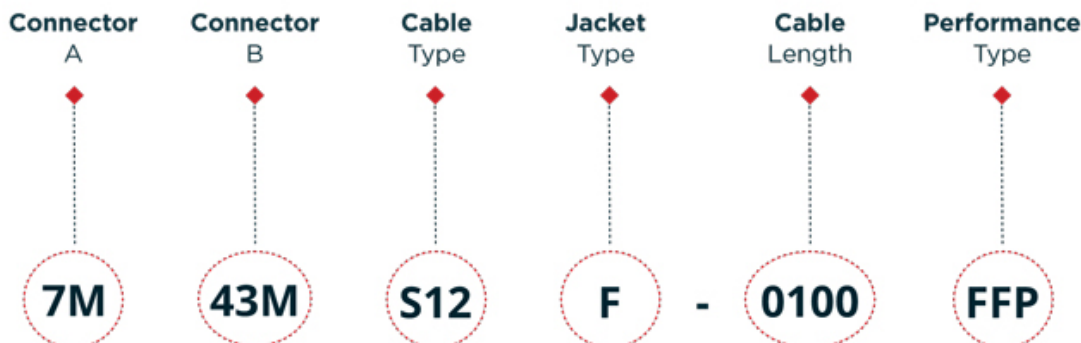
Frequency [MHz]	Straight / Straight [dB] (VSWR)	Right Angle / Right Angle [dB] (VSWR)
0 - 1000	>28.0 ( $\leq 1.08$ )	>28.0 ( $\leq 1.08$ )
>1000-1700	>26.4 ( $\leq 1.10$ )	>24.0 ( $\leq 1.14$ )
>1700-2200	>26.4 ( $\leq 1.10$ )	>24.0 ( $\leq 1.14$ )
>2200-2700	>24.9 ( $\leq 1.12$ )	>24.0 ( $\leq 1.14$ )
>2700-3800	>23.1 ( $\leq 1.15$ )	>19.1 ( $\leq 1.25$ )
>3800-5000	>19.1 ( $\leq 1.25$ )	>18.2 ( $\leq 1.28$ )
>5000-6000	>17.7 ( $\leq 1.30$ )	>16.0 ( $\leq 1.38$ )

**COMBINATIONS**

Model Name	Connector 1	Connector 2
7MR43ML38-XXXXFFP	7-16 Male Right Angle	4.3-10 Male
43MR43ML38-XXXXFFP	4.3-10 Male Right Angle	4.3-10 Male

**JUMPER-L38-FFP**

CELLFLEX® Factory-Fit Jumper Assembly, 3/8" Low Loss Foam

**RFS JUMPER MODEL NOMENCLATURE****7M & 43M  
CONNECTORS  
A & B**

<b>7M</b>	7-16 Male
<b>7F</b>	7-16 Female
<b>7MR</b>	7-16 Male Right Angle
<b>43M</b>	4.3-10 Male
<b>43F</b>	4.3-10 Female
<b>43MH</b>	4.3-10 Male Handscrew
<b>43MP</b>	4.3-10 Male Push Pull
<b>43MR</b>	4.3-10 Male Right Angle
<b>NM</b>	N-Type Male
<b>NF</b>	N-Type Female
<b>NMR</b>	N-Type Male Right Angle
<b>NXM</b>	NEX10 Male
<b>NXMP</b>	NEX10 Male Push Pull
<b>7MB</b>	7-16 Male with Weatherboots
<b>43MB</b>	4.3-10 Male with Weatherboots
<b>NMB</b>	N-Type Male with Weatherboots

**S12  
CABLE  
TYPE**

<b>L38</b>	3/8" Low Loss Coax
<b>L12</b>	1/2" Low Loss Coax
<b>S14</b>	1/4" Superflexible Coax
<b>S38</b>	3/8" Superflexible Coax
<b>S12</b>	1/2" Superflexible Coax

**F  
JACKET  
TYPE**

<b>F</b>	JFN Flame Retardant
<b>Blank</b>	PE

**0100  
CABLE  
LENGTH\***

<b>0100</b>	1 meter
<b>0200</b>	2 meter
<b>0250</b>	2.5 meter
<b>1000</b>	10 meter
<b>1500</b>	15 meter
<b>030</b>	3 feet
<b>060</b>	6 feet
<b>100</b>	10 feet
<b>150</b>	15 feet
<b>200</b>	20 feet

**FFP  
JUMPER  
PERFORMANCE**

<b>FFP</b>	Factory-Fit Premium
<b>FFPB</b>	Factory-Fit Premium; Bird-Proof Option
<b>FFS</b>	Factory-Fit Standard
<b>UPM</b>	Ultra PIM Performance

**NOTES:**

\* 4 digits indicate meter length, 3 digits indicate feet length  
Others lengths available on request

**External Document Links**[Cable LCF38-50J](#)[Handling instruction](#)



**JUMPER-L38-FFP**

CELLFLEX® Factory-Fit Jumper Assembly, 3/8" Low Loss Foam

[Jumper Brochure](#)

Notes